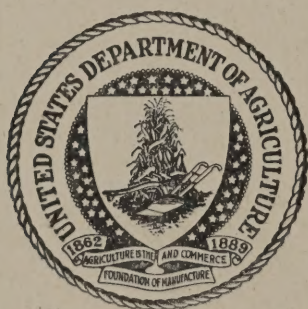


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UNITED STATES DEPARTMENT OF AGRICULTURE  
EXTENSION SERVICE  
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The following table, recently sent out by Mr. Ray Cuff of the National Livestock Loss Prevention Board in Kansas City, was presented at the annual meetings in Chicago, but thus far has not been published.

X RESULTS OF TESTS WITH CHLORINATED INSECTICIDES  
FOR THE CONTROL OF HORN FLIES ON BEEF CATTLE

Material and concentration	Number treatments		Average No. animals treated		Average days protection	
	Kansas	Missouri	Kansas	Missouri	Kansas	Missouri
O.5 Percent DDT wetable powder	4	2	493	82	30.3	44.5
O.5 Percent DDT emulsion	4	2	356	39	28.3	48.0
O.5 Percent Methoxychlor wetable powder	4	3	206	158	24.3	46.6
O.5 Percent D-3 wetable powder	4	3	325	42	25.0	50.2
O.5 Percent Chlorinated Cam- phone, wettable powder	4	3	220	33	26.7	42.0
O.25 Percent DDT wetable powder	4	2	139	39	19.2	28.5
O.25 Percent Chlorodane wetable powder	4	-	97	--	17.1	---
			1,836	393		

The interpretation of the table alone might be misleading. There are many factors that undoubtedly had a bearing on the results of these tests. For instance, in the immediate area of the tests in Missouri, there was much more fly control of the herds surrounding those under test than was the case in Kansas. Then too the season in Missouri may have been less favorable to the horn fly than the season in Kansas.

We would not expect as wide a migration of the flies in wooded areas as in open country, and this may have had some bearing on the results. We feel that these and other factors may have something to do with the long residual effect in Missouri as compared with that in Kansas, and we have no assurance that the same results would be obtained from year to year. We do feel that, through community action, the general level of population would be lowered

and the build-up of flies would be much slower. This point should be an incentive for community-wide programs in horn fly control.

We do not know what distribution Mr. Cuff made of this information, but we thought it desirable to call your attention to some of the points to consider in interpreting the results given in the table.

M. P. Jones  
Extension Entomologist

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